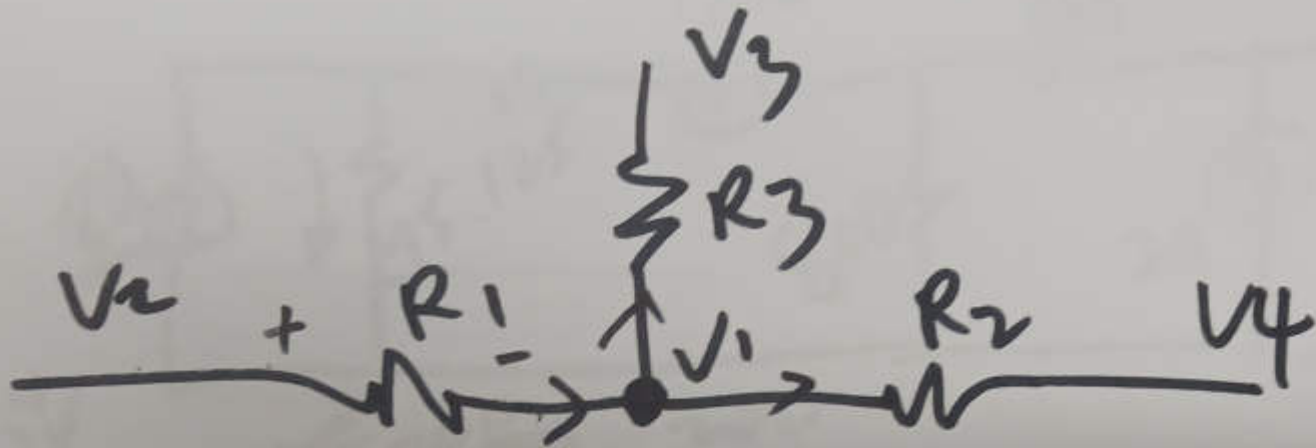


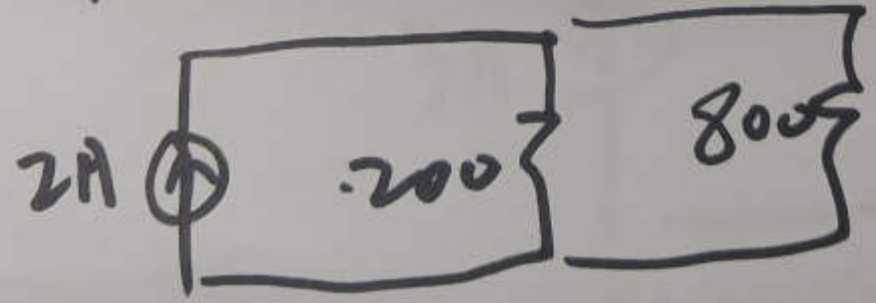
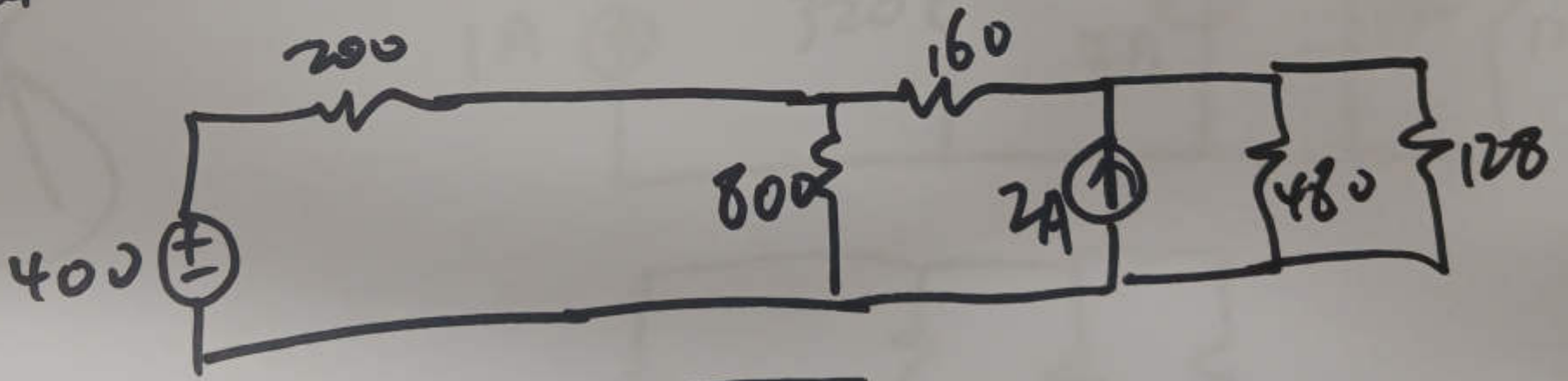
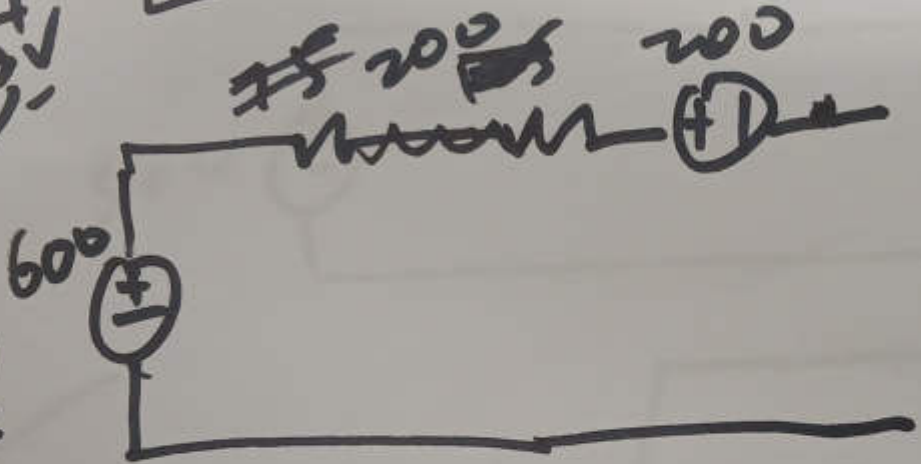
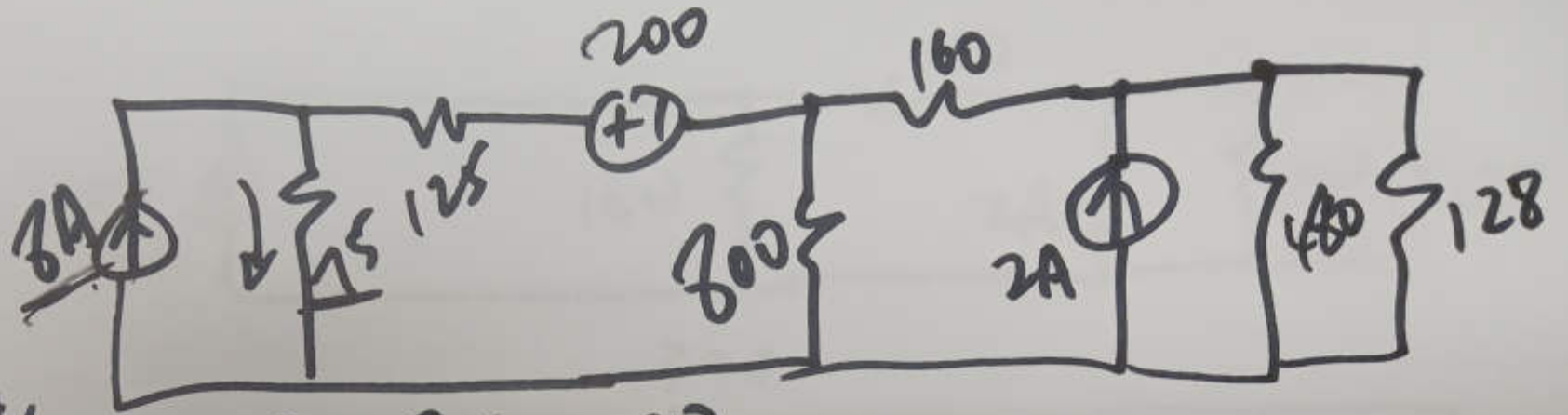
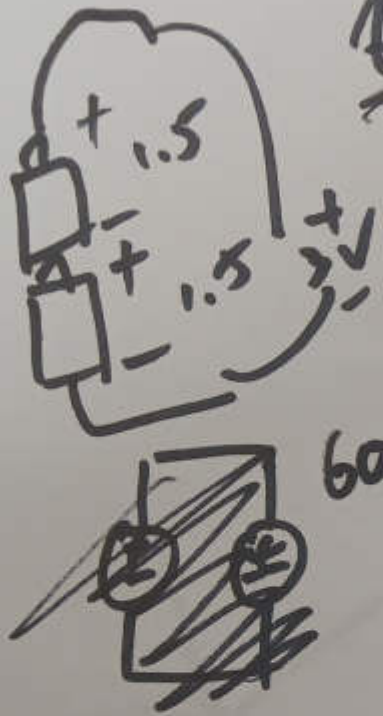
①



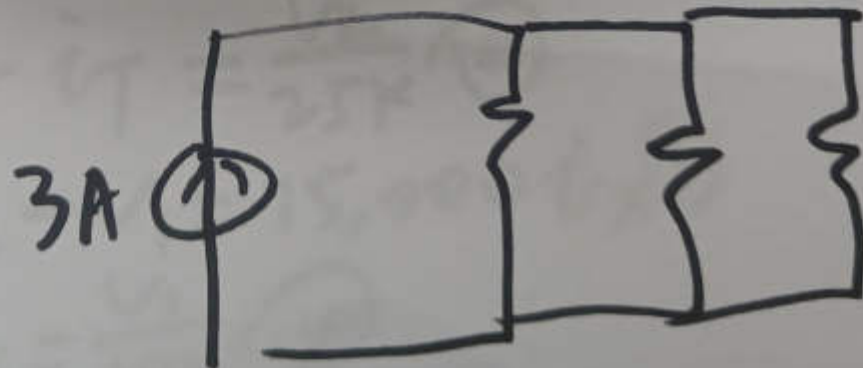
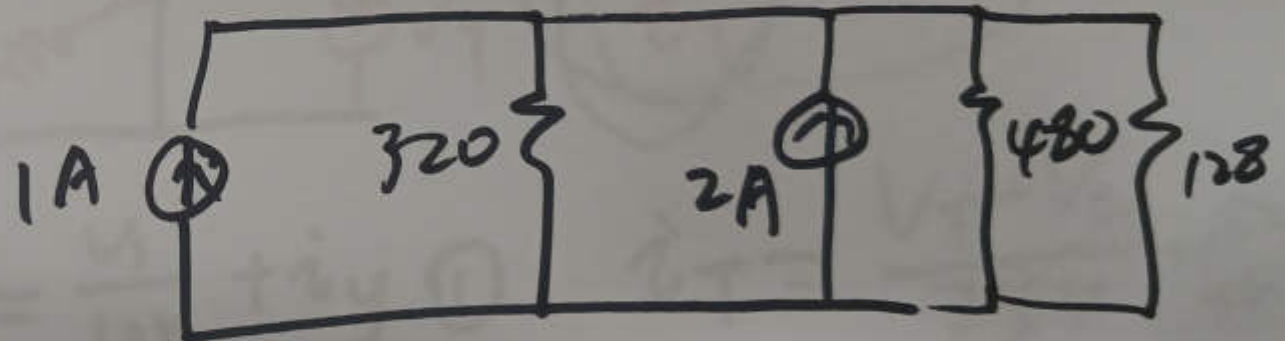
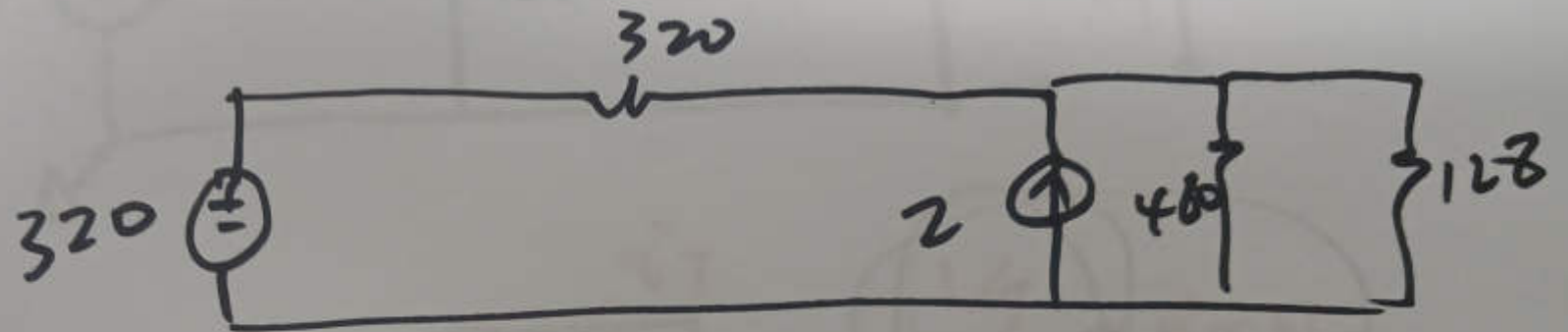
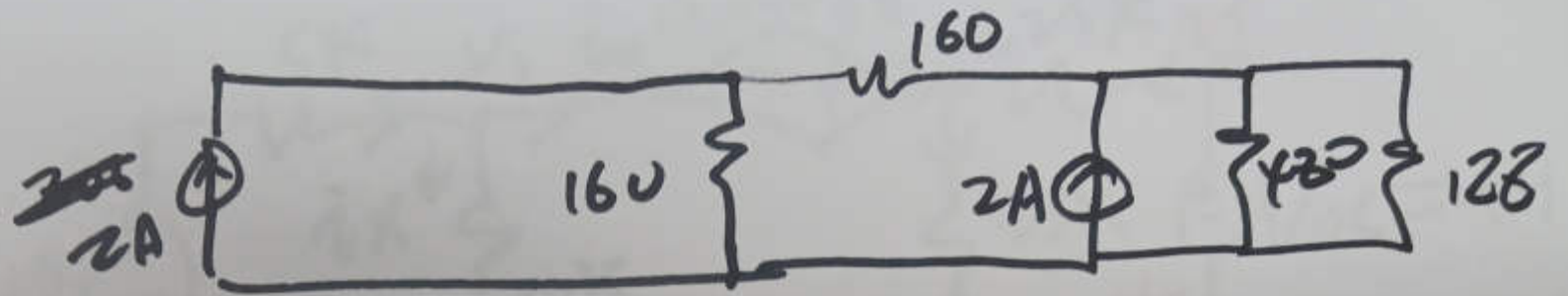
$$\frac{V_2 - V_1}{R_1} = \frac{V_1 - V_3}{R_3} + \frac{V_1 - V_4}{R_2}$$

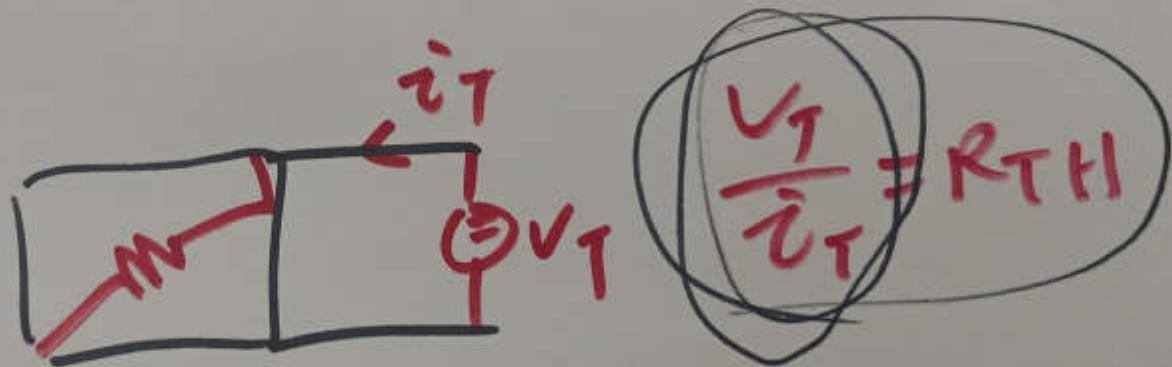
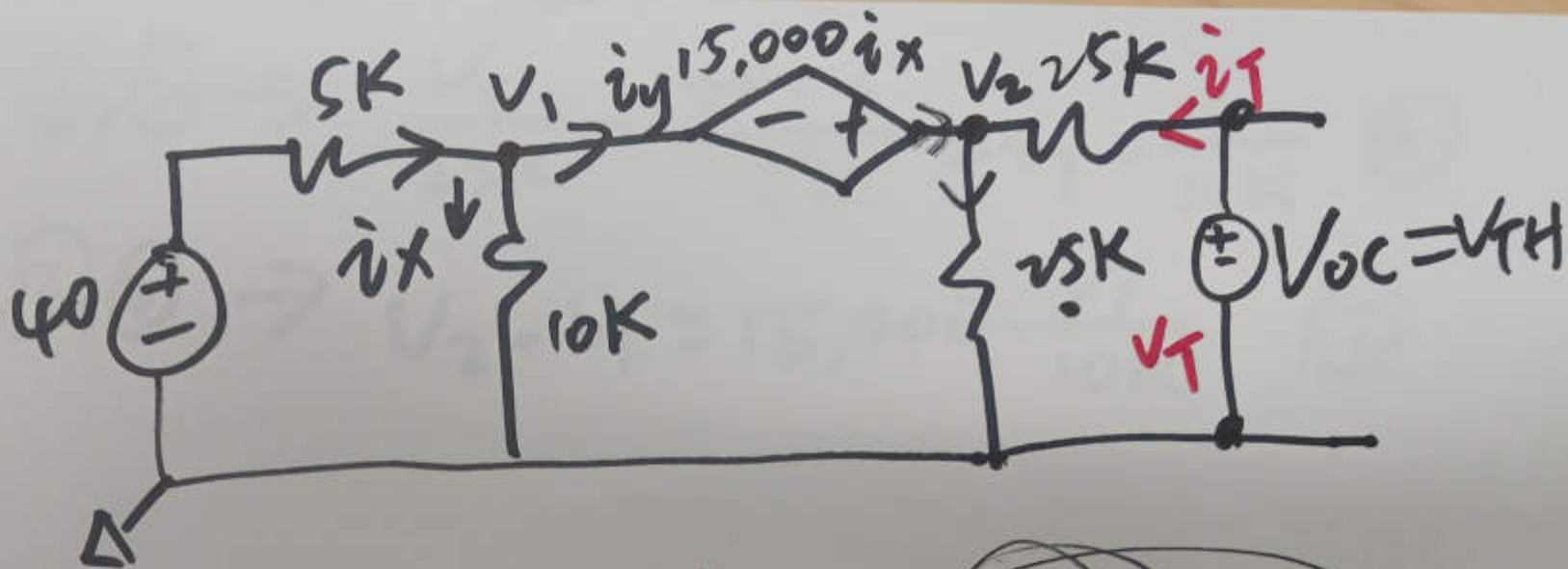
$$\frac{V_2 - V_1}{R_1} + \frac{V_4 - V_1}{R_2} + \frac{V_3 - V_1}{R_3} = 0$$

(2)



③





$$\frac{40 - V_1}{5K} = \frac{V_1}{10K} + i_y \quad (1) \quad i_T = \frac{V_T - V_2}{25K} \quad (5)$$

$$i_y + i_T = \frac{V_2}{25K} \quad (2)$$

$$V_2 - V_1 = 15,000 i_x \quad (3)$$

$$i_x = \frac{V_1}{10K} \quad (4)$$

(5)

$$\textcircled{1}, \textcircled{2} \Rightarrow \frac{V_2}{25K} - \frac{40 - V_1}{5K} = i_T - \frac{V_1}{10K} \quad \textcircled{6}$$

$$\textcircled{3}, \textcircled{4} \Rightarrow V_2 - V_1 = 15,000 \cdot \frac{V_1}{10K} \quad \textcircled{7}$$